American Creosote Works

Pensacola, FL

August 11, 2011

- Background Information
- Site Status
  - Operable Units Strategy (OU1, 2 and 3)
- Recent Work
- Stormwater Line Project
- Next Steps
  - Focused Feasibility Study
  - Cleanup Decisions

- 18 Acre Site
- Inactive wood treating facility (Creosote & PCP)
- Operated 1902-1981
- Soil
  - VOCs, PAHs, PCP, creosote and dioxin
- Groundwater
  - VOCs, PAHs, PCP and creosote

ACW Aerial Photo

Operable Units (OUs)

OU1: Soil, Sludges and Sediments

OU2: Groundwater

OU3: Off facility Dioxin Contaminated Soil

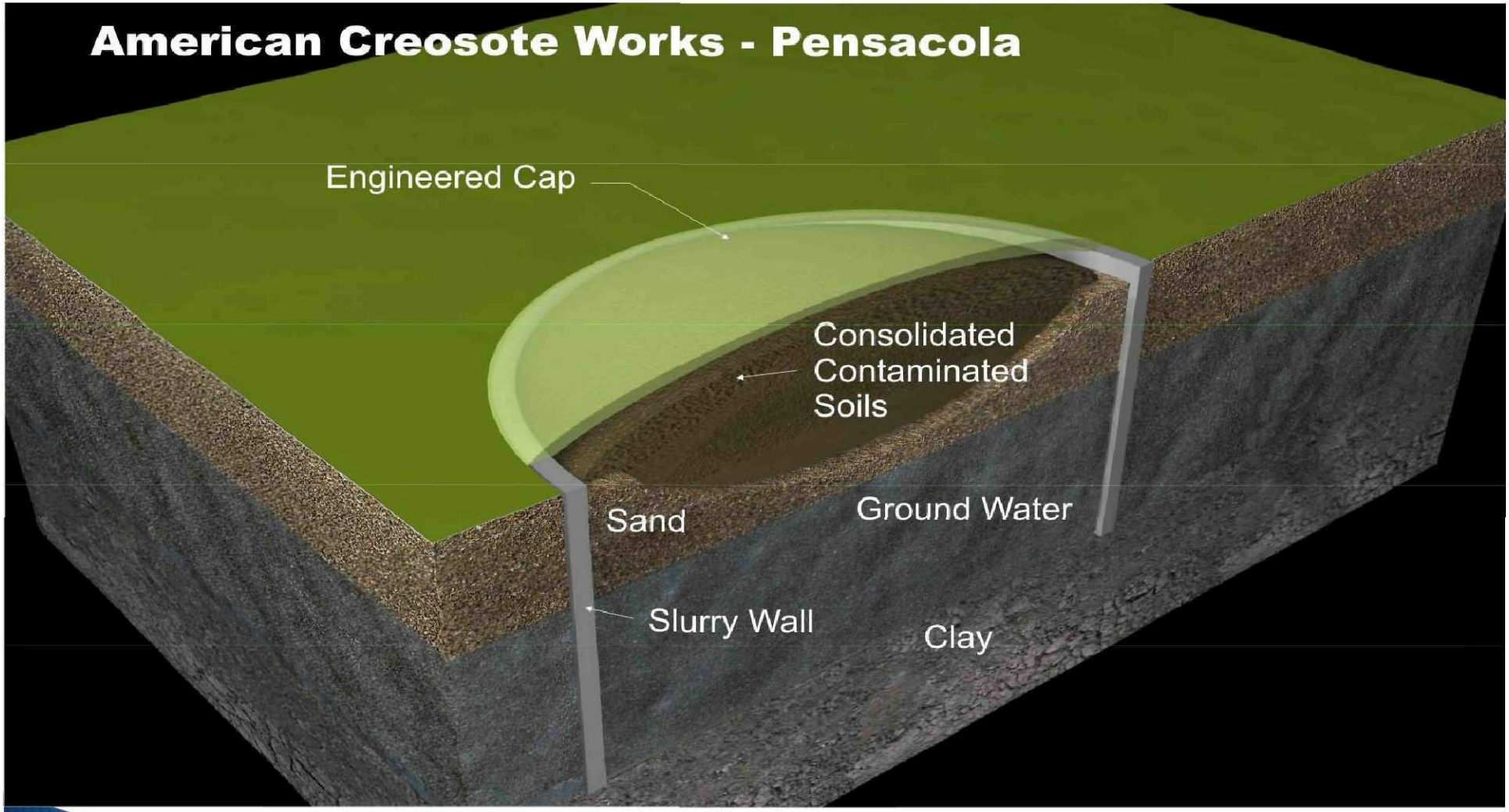
Concurrent remedy decisions expected for OU1 and OU3

Possible containment cell remedial alternative OU1/OU3

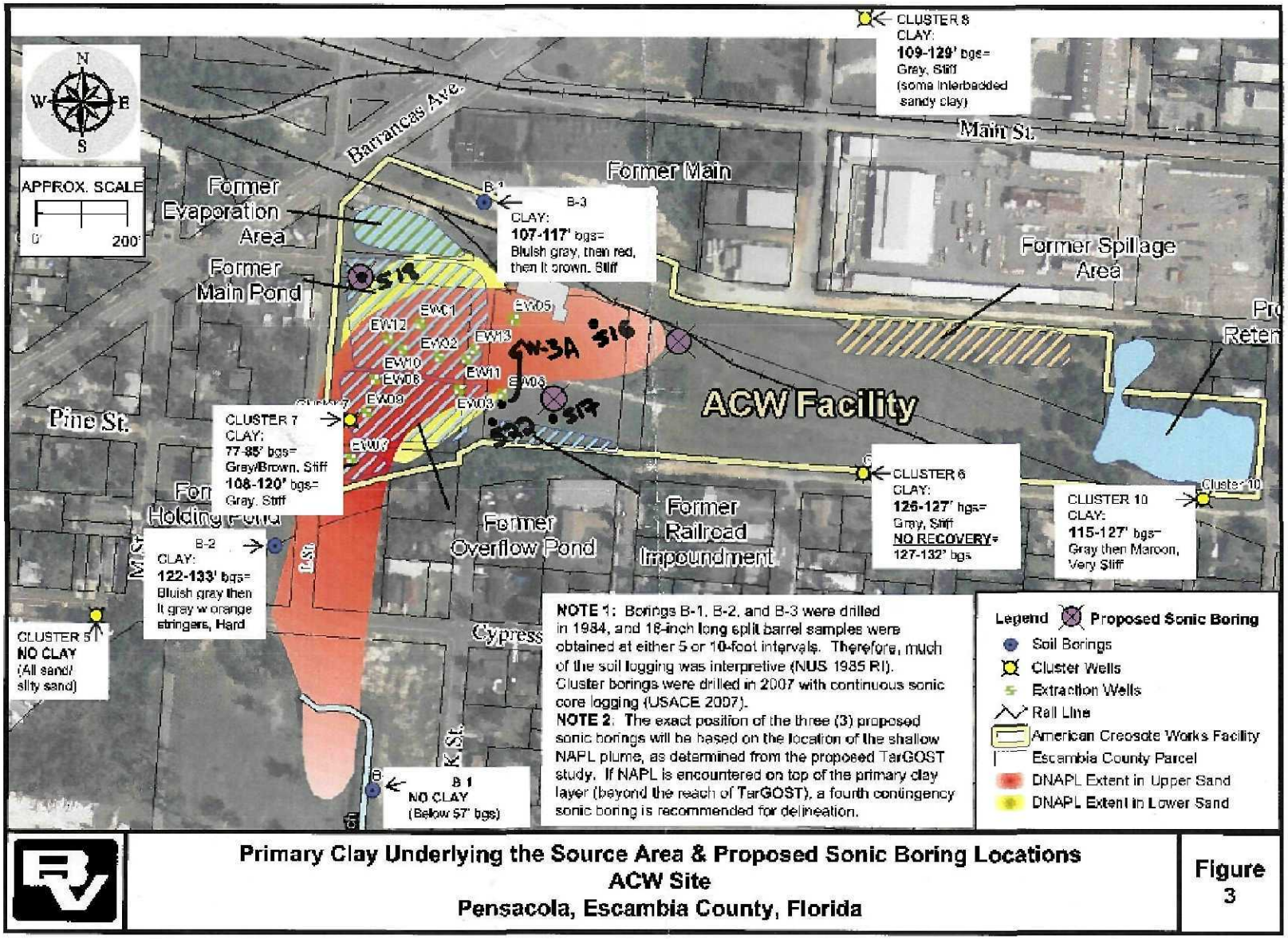
- Isolate source area contamination from surrounding environment
- The only remaining groundwater contamination to be cleaned up would be the off property DNAPL and dissolved plume
- Increase cap area and therefore would reduce the cap height

January 2011 Field Event Results

- Found the confining clay layer in two of the four borings at the site at approx. 100 feet depth
- Permeability tests on soils
- Characterized the shallow soil contamination in 7 borings performed to characterize dioxin, PAH and PCP contamination onsite


American Creosote Works - Pensacola
Engineered Cap
Consolidated
Contaminated
Soils
Sand
Ground Water
Slurry Wall
Clay

Recent Work (cont.)



Primary Clay Underlying the Source Area & Proposed Sonic Boring Locations
ACW Site
Pensacola, Escambia County, Florida

Figure 3

Focused Feasibility Study

Sanders Beach Community Association

- Tree Preservation
- Construction Schedule

Groundwater Remedy

- Implemented groundwater remedy recovered approximately 20% of the DNAPL plume
- Initially expected to recover a smaller volume of DNAPL than found during later investigations

Groundwater Remedy (cont.)

- ROD Amendment is needed anytime a remedy is revised or changed
- ROD Amendment is needed to revise/update groundwater strategy to address entire DNAPL plume

  - Provide an opportunity to be more aggressive with the DNAPL and dissolved plume

  - Improved technologies since 1994 ROD

Future Work

- Perform more soil borings to delineate the extent of the confining clay layer at the approx. 100' depth
- Obtain more soil permeability samples
- TarGOST investigation of the offsite DNAPL south of ACW
  - determine the extent of off facility DNAPL
- Write a Site wide Record of Decision

Future Work OU2: Groundwater (cont.)

Sonic Drill Rig

Future Field Work

- Agree on Data Quality Objectives of the field event – September 2011
- Write the Field Work Plan – September 2011
- Field Event – October 2011
- Assist City with Stormwater project in November 2011

Pensacola Yacht Club Ditch

- City of Pensacola has plans to improve the stormwater quality in the Pensacola Bay area
- The City is installing a new stormwater line to redirect the current flow into the PYC ditch
  - City is installing the stormwater line
- EPA will dispose of all ACW related contaminant found during the project

Pensacola Yacht Club Ditch

- Project will make the PYC ditch dry, easier cleanup and remediation of the ditch
- Improve the stormwater quality of the water entering Pensacola Bay

Next Steps – Short Term

Optimal Project Schedule

Draft a Field Work Plan – September 2011

Field Event – October 2011

Provide draft Proposed Plan for FDEP review – February 2012

Issue Proposed Plan – April 2012

Public Comment Period – May 2012

Site Wide ROD – June 2012

Next Steps – Long Term

Optimal Project Schedule

Site Wide OU1/OU2/OU3

- Remedial Design – Summer 2013
- Remedial Action – Winter 2014

Contact Information

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Questions